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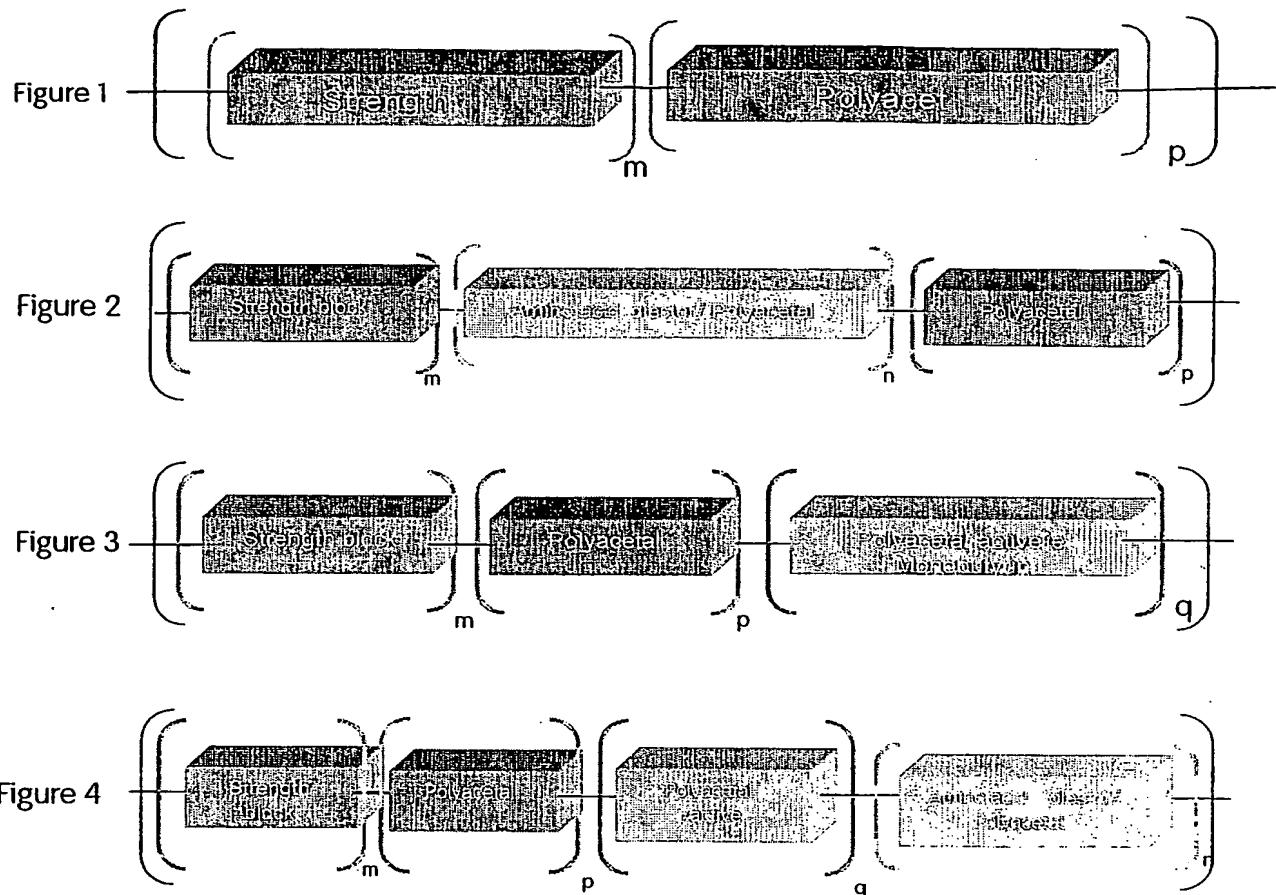


Figure 5. Polyacetal Structure

{[O-POLYMER-O-CH(R₅)-OR₄-OCH(R₅)-]_m-[O-R₂-O-CH(R₅)-OR₄-OCH(R₅)-]_p-
[----- Strength block -----] [----- Polyacetal block -----]
-[O-R₃-CONH-R₁-CO₂-R₂-O₂C-R₁-NHCO-R₃-O-CH(R₅)-OR₄-OCH(R₅)-]_n-
[-----amino acid diester/acetal block-----]
[O-R₆-O-CH(R₅)-OR₄-OCH(R₅)-]_q]_r
[-----active/polyacetal block----]}

m = 1-100, n = 0-100, p = 0-100, q = 0 -100, r = 1-100

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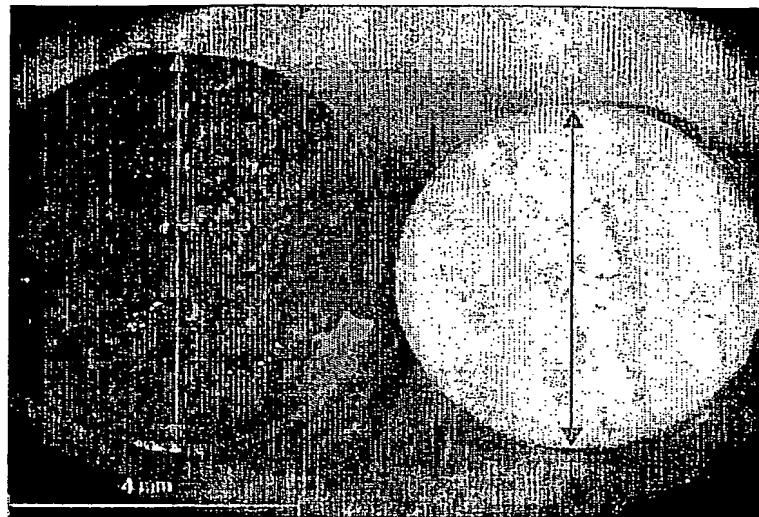


Figure 6a

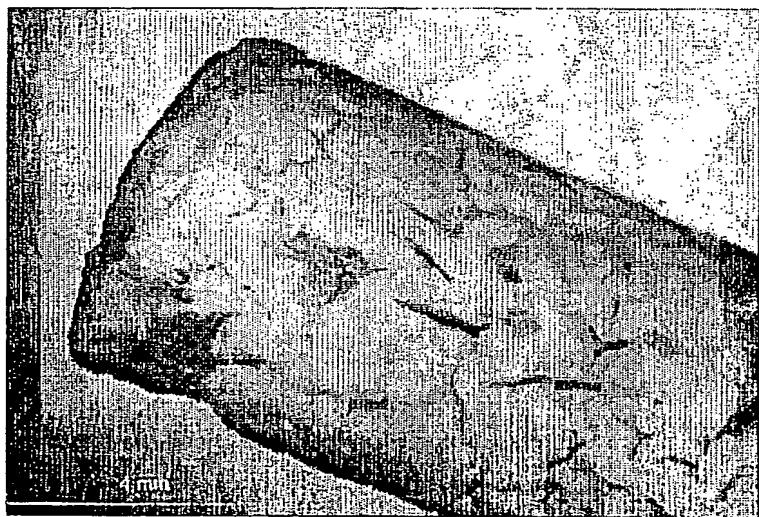


Figure 6b

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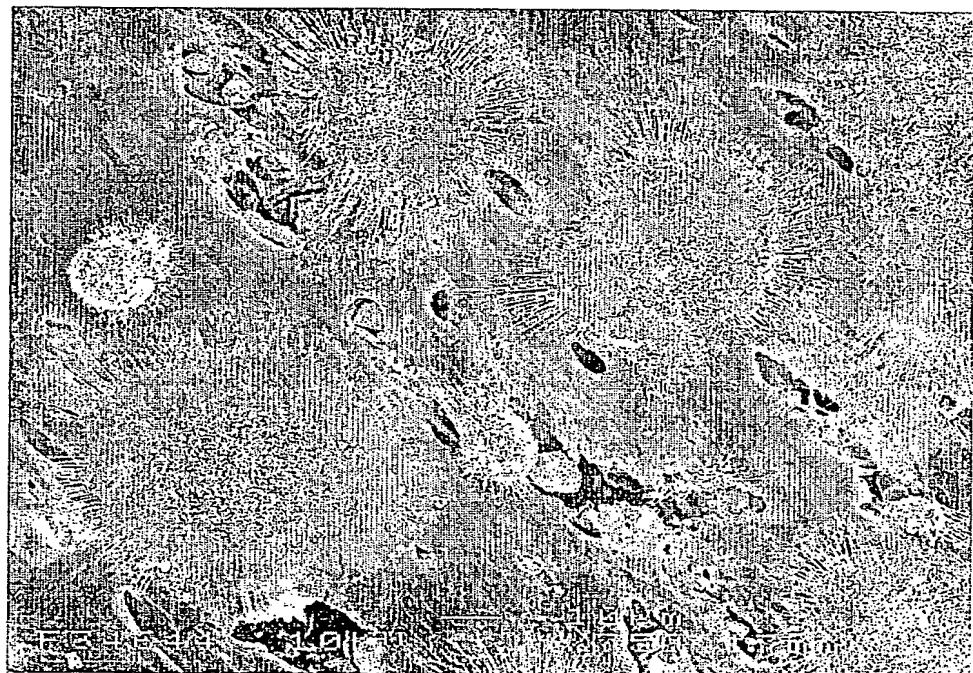


Figure 7

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Figure 8a

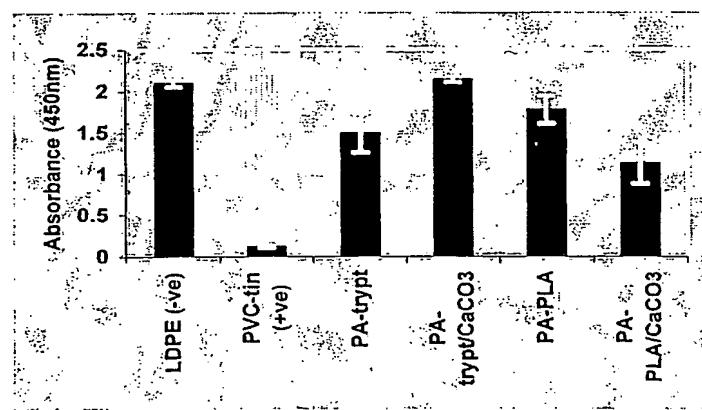


Figure 8b

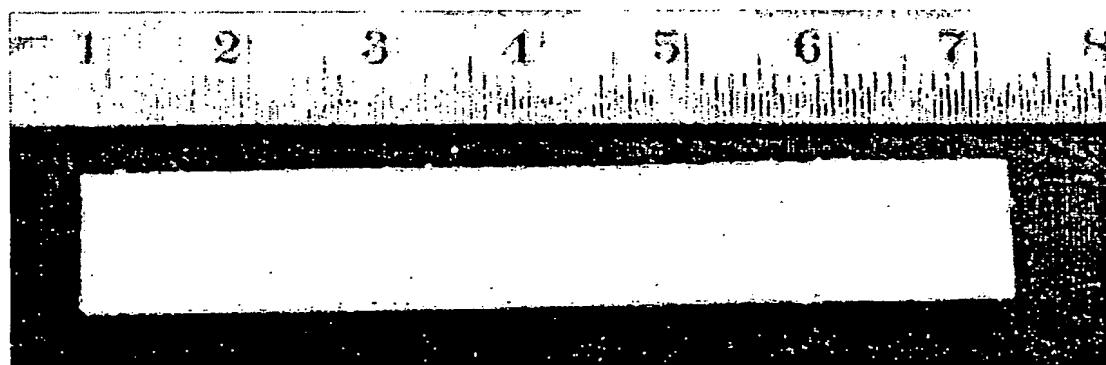


Figure 9

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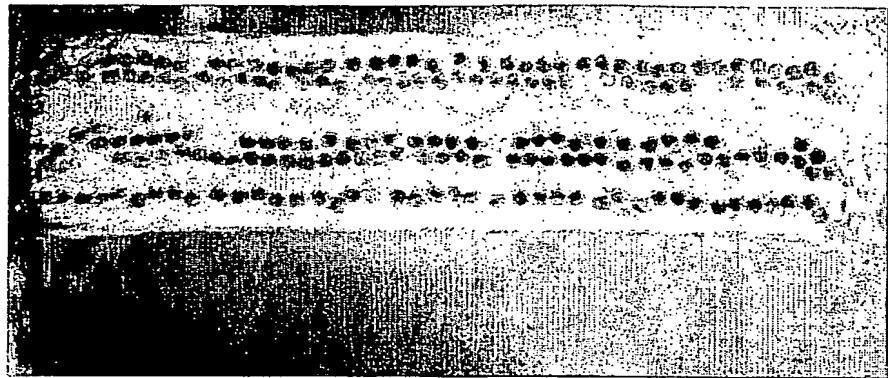


Figure 10